

Soft x-ray Planetary Imager

Completed Technology Project (2013 - 2016)



Project Introduction

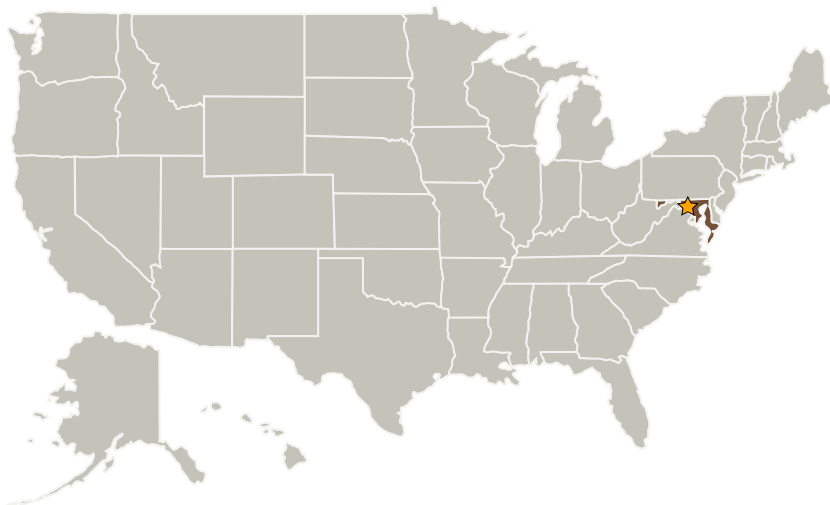
The project is to prototype a soft X-ray Imager for planetary applications that has the sensitivity to observe solar system sources of soft X-ray emission.

A strong cross-disciplinary team combining elements of planetary science, astrophysics, optics, detector technology expertise will work on the project. GSFC as an institution excels in every one of these areas.

Anticipated Benefits

And mission performing wide field-of-view soft X-ray imaging.

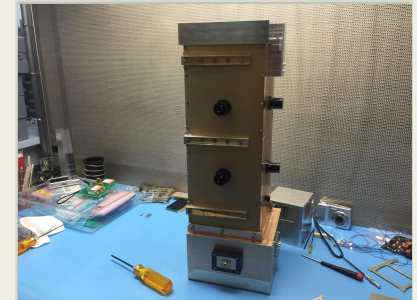
Primary U.S. Work Locations and Key Partners



Organizations Performing Work	Role	Type	Location
★ Goddard Space Flight Center (GSFC)	Lead Organization	NASA Center	Greenbelt, Maryland

Primary U.S. Work Locations

Maryland



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Images



Soft x-ray Planetary Imager Project

Soft x-ray Planetary Imager Project
(<https://techport.nasa.gov/image/19354>)

Project Website:

<http://sciences.gsfc.nasa.gov/sed/>

Organizational Responsibility

Responsible Mission Directorate:

Mission Support Directorate (MSD)

Lead Center / Facility:

Goddard Space Flight Center (GSFC)

Responsible Program:

Center Independent Research & Development: GSFC IRAD

Project Management

Program Manager:

Peter M Hughes

Project Manager:

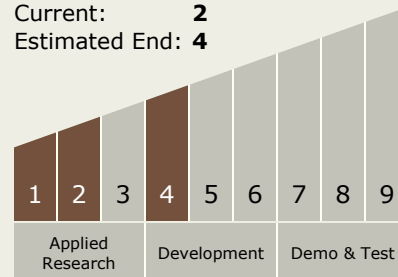
Brook Lakew

Principal Investigator:

Michael Collier

Technology Maturity (TRL)

Start: 1
Current: 2
Estimated End: 4



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Technology Areas

Primary:

- TX08 Sensors and Instruments
 - └ TX08.1 Remote Sensing Instruments/Sensors
 - └ TX08.1.1 Detectors and Focal Planes